Best Cases of the AIRP

September-October, 2017
Musculoskeletal Best Case
A 19-year-old patient, with no prior history, presents to ED for 3-hour epigastric and right lower quadrant pain. Incidental finding on CT.
Bone scan
Bone scan
ANEURYSMAL BONE CYST

Dr. Nicolas Garcia
CLÍNICA DÁVILA
RECOLETA, SANTIAGO, CHILE
Honorable mention
Clinical Information

34 year old African American female presents with painless right lower extremity swelling.
OSTEOCHONDROMA TO CHONDROSARCOMA

Dr. Marco Vitto
Albany Medical Center
Albany, NY
Gastrointestinal Best Case
Clinical information

20 year old man with no significant medical history presents with acute onset left lower quadrant pain.
Left-sided Omental Torsion

Paola Barón Ródiz, M.D.
Hospital Universitario Severo Ochoa
Madrid, Spain
Neuroradiology Best Case
History

8-month-old female with progressive left upper extremity weakness, lethargy, and macrocephaly
Desmoplastic Infantile Ganglioglioma

James Davis, M.D.
University of Pittsburgh
Pittsburgh, Pennsylvania
Pulmonary and Mediastinal
Best Case
54 year old male with a history of Rheumatoid Arthritis and Sjogren Syndrome. Currently treated with methotrexate. The patient presents with fever, cough, chills, sweats and malaise
Peribronchiolar consolidation
Peribronchiolar consolidation
Lymphocyte infiltration

- Lymphocyte
- Lymphoid Follicle
- Neoplastic lymphocytes spread from Follicles
- Lymphoepithelial lesion
  - Infiltration of the respiratory epithelium by neoplastic lymphoid cells
Lymphocyte infiltration

bronchovascular infiltration

septal infiltration
BALT Lymphoma

Belén Del Rio Carrero
Barcelona, Spain
Cardiovascular Best Case
History

79 year old male with mild dyspnea and chest pain.
Lateral CXR & Sagittal CT MPR: Hypodense rounded lesion margined with calcification, adjacent to the left atrio-ventricular groove on CT.
Axial & Coronal CT MPR:
Hypodense rounded lesion marginated with calcification, adjacent to the left atrio-ventricular groove on CT.
PET-CT FDG IMAGING:
No FDG uptake within the cardiac mass.
Gross resection specimen of mitral valve and adjacent encapsulated lesion with caseous internal contents.
Histologic examination shows necrotic tissue with elements of calcification compatible with caseous necrosis.
Caseous Necrosis of the Mitral Annulus

Alexandre Asselin, MD
Institut Universitaire de Cardiologie et Pneumologie de Quebec
Quebec, Canada
Pediatric Best Case
Clinical Information

35 3/7 week, 3000 gram infant born by c-section to a 28 y/o G4 T2 P2 A0 L4 mother. Pregnancy complicated by polyhydramnios, fetal ascites, hypothyroidism. Infant required intubation at delivery.
Cardiac Rhabdomyoma

Meaghan Magarik, M.D.
Vanderbilt University
Nashville, TN
Breast Best Case
History

An 83-year-old woman presented to the primary care center with a nonpainful palpable lump in the left breast and no other accompanying symptoms
Pathology
Histology
Granular Cell Tumor

Keishi Fujiwara
St. Marianna University School of Medicine
Kawasaki, Japan
Genitourinary Best Case
69 yo male with PMH of CAD s/p cardiac stents, hyperlipidemia, and HTN who presented to his PCP with abdominal bloating.
Retroperitoneal Liposarcoma

Weier Li, MD
Massachusetts General Hospital
Boston, MA